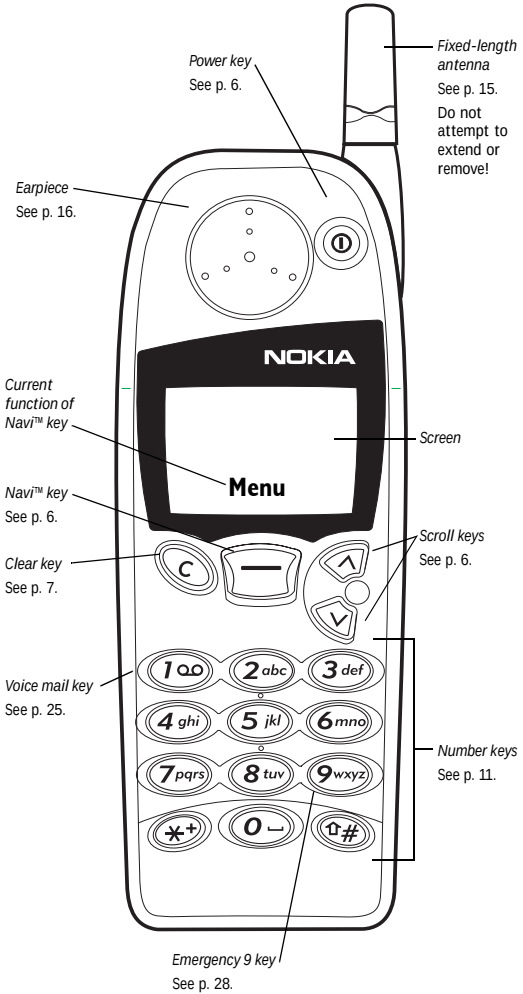
NOKIA

CONNECTING PEOPLE

OWNER'S MANUAL

NOKIA 5160

Keys


Power key
See p. 6.
Fixed-length antenna
See p. 15.
Do not attempt to extend or remove!
Earpiece
See p. 16.
NOKIA
Current function of Navi™ key
Menu
Screen
Navi™ key
See p. 6.
Clear key
See p. 7.
Scroll keys
See p. 6.
Voice mail key
See p. 25.
Number keys
See p. 11.
Emergency 9 key
See p. 28.

Indicators and icons

You have an active call.

You have one or more new voice messages.

You have one or more new text messages.

Keyguard is on. Your phone will not accept any keypresses. To turn it off, press **Unlock**, then *+.

The alarm clock is set.

The ringing option is set to **Silent**.

Digital service is available.

The phone is ready for you to enter a response.

Characters entered will be upper-case letters. Press the #⇧ key to switch letter case.

Characters entered will be lower-case letters. Press the #⇧ key to switch letter case.

Characters entered will be numbers. (When entering letters, switch to numbers by pressing and holding the #⇧ key.)

You are in “special character” mode; select a character, then press **Use**. (When entering letters, switch to special characters by pressing the *+ key.)

Contents

1. For your safety 1
   - FCC/Industry Canada Notice 2
   - Using this Guide 2

2. Battery installation & charging 3
   - Attaching the battery 3
   - Battery charging 3
   - Removing the battery 4
   - Important battery information 5

3. About the phone, keys & menu 6
   - Power key 6
   - Nokia Navi™ key 6
   - Scroll keys 6
   - Clear key 7
   - Lights 7
   - External antenna jack 7
   - Start screen 7
   - Menu 8
   - Entering letters and numbers 11
     - Special characters in names 12
     - Special characters in phone numbers 12
   - Keyguard (locking the keypad) 13

4. Basic functions 15
   - Turning the phone on or off 15
   - About the antenna 15
   - Checking signal strength 15
   - Making a call 16
   - Volume adjustment (earpiece) 16
   - Muting the microphone 16
   - Ending a call 16
   - Last number redial 17
   - Saving a name and number 17
   - Finding a name and number 17

Answering a call 17
Silencing an incoming call 18

5. Settings 19
Automatic redial 19
Calling card set-up 19
Clock 21
Language 22
Lights 22
Tones 22
Quick alert settings 24
Voice mailbox number 25
Voice privacy 25
Welcome note 26

6. Emergency calls 27
Emergency key 9 28

7. Advanced functions 29
Network feature setting 29
Adding feature activation codes to the menu 29
Adding feature cancellation codes to the menu 29
In-call menu 30
Making/receiving multiple calls 30
Call forwarding 32
1-touch dialing 33
Choosing your phone number (NAM selection) 34
Send own number 34
Calling card calls 35
System selection 36
Automatic answer 36
Touch tones 37
Restore factory settings 38

8. Phone book 39
Saving names and numbers 39
Finding names and numbers 40
Editing names and numbers 41
Erasing names and numbers 41
Scrolling view 41
Checking available memory 41

9. Call log 42
Missed calls 42
Received calls 43
Dialed calls 43
Clearing call lists 43
Call timers 43

10. Voice messages 45
Saving your voice mailbox number 45
Listening to new voice messages 45
Calling your voice mailbox at any time 45

11. Text messages 46
Reading messages 46
Storage of incoming messages 47

12. Extra features 48
Alarm clock 48
Games 49

13. Security features 51
Access codes overview 51
Lock code 51
Security code 51
Restricting calls 51
Phone lock 53

14. Accessories 55
Nokia Xpress-on™ color covers 55
Batteries 58
Chargers and other accessories 59

15. Reference information 63
Important safety information 63
Emergency calls 65
Radio frequency (RF) signals 66
Care and maintenance 67

16. Technical information 68

17. Nokia Limited Warranty 69

18. Index 72

NOTES

1. For your safety

Read these simple guidelines before using your phone. Failure to comply with these guidelines may be dangerous or illegal.

Road Safety Comes First

Don't use a hand-held phone while driving; park the vehicle first.

Switch Off In Hospitals

Follow any regulations or rules. Switch phone off near medical equipment.

Switch Off On Aircraft

Wireless phones can cause interference. Using them on aircraft is illegal.

Switch Off When Refueling

Don't use phone at a refueling point. Don't use near fuel or chemicals.

Switch Off Near Blasting

Do not use the phone where blasting is in progress. Observe restrictions, and follow any regulations or rules.

Interference

All wireless phones may get interference which could affect performance.

Use Sensibly

Use only in the normal position (to ear). Don't touch the antenna unnecessarily.

Qualified Service

Only qualified service personnel must install or repair equipment.

Accessories and Batteries

Use only approved accessories and batteries. Do not connect incompatible products.

FCC/Industry Canada Notice

Your phone may cause TV or radio interference (for example, when using a telephone in close proximity to receiving equipment). The FCC or Industry Canada can require you to stop using your telephone if such interference cannot be eliminated. If you require assistance, contact your local service facility.

This device complies with part 15 of the FCC rules. Operation is subject to the condition that this device does not cause harmful interference.

Using this Guide

The wireless phone described in this guide is approved for use in TDMA and AMPS networks.

Network services

A number of features included in this guide are called network services. They are special services provided by wireless service providers. Before you can take advantage of any of these network services, you must subscribe to the service(s) from your home service provider and obtain instructions for their use.

Updates

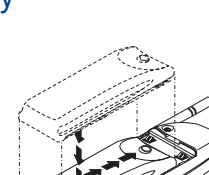
The latest version of this Owner's Manual may be found on Nokia's World Wide Web site at www.nokia.com.

2. Battery installation & charging

Before you can use your new phone, you need to attach and charge the battery.

Attaching the battery

To attach the battery, place it on the back of the phone as shown and slide it toward the top of the phone until it clicks into place.



Battery charging

Your phone is powered by a rechargeable NiMH or Li-Ion battery. Note that a new NiMH battery's full performance is achieved only after two or three complete charge and discharge cycles. For charging times, see 'Charging times' on page 58.

How to charge your battery

Connect the lead from the charger to the bottom of your phone or to a charging stand. Then plug the charger into a standard wall outlet.

When the battery is charging, the battery strength indicator on the right side of the display scrolls.

Note: When you charge the battery for the first time, the battery strength indicator will not scroll the entire time; this is normal.

Problems charging

If your phone displays **Not charging**, charging is suspended. Check that the battery is connected to an approved charging device. If the battery is very hot or cold, wait for a while; charging will automatically resume after the battery is restored to its normal operating state. If charging still fails, contact your dealer.

When is charging complete?

When the charge indicators stop scrolling, your phone is considered fully charged. However, a slight increase in charge may occur if you leave your phone connected to the charger.

When is a good time to charge?

You can charge anytime, but remember that when your phone displays **Battery low**, you only have a couple of minutes of talk time left.

Can I make calls while charging?

Yes, but depending on the charger used, your battery may not charge during a call.

Discharging NiMH batteries

For good operation times, discharge NiMH batteries from time to time by leaving your phone switched on until it turns itself off (or by using the battery discharge facility of any approved accessory available for your phone). Do not attempt to discharge the battery by any other means.

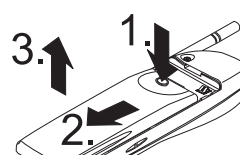
Removing the battery

Note: Switch off the phone before removing the battery!

1 Press and hold the button at the top of the battery.

2 Slide the battery toward the bottom of the phone.

3 Lift the battery off the phone.



Important battery information

- The battery can be charged and discharged hundreds of times but it will eventually wear out. When the operating time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- Use only batteries approved by the phone manufacturer and recharge your battery only with the chargers approved by the manufacturer. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for longer than a week, since overcharging may shorten its life. If left unused a fully charged battery will discharge itself over time.
- Temperature extremes will affect the ability of your battery to charge: allow it to cool down or warm up first.
- Use the battery only for its intended purpose.
- Never use any charger or battery which is damaged or worn out.
- Do not short circuit the battery. Accidental short circuiting can occur when a metallic object (coin, clip, or pen) causes direct connection of the + and - terminals of the battery (metal strips on the back of the battery), for example when you carry a spare battery in your pocket or purse. Short circuiting the terminals may damage the battery or the connecting object.
- Leaving the battery in hot or cold places, such as in a closed car in summer or winter conditions, will reduce the capacity and lifetime of the battery. Always try to keep the battery between 59º F and 77º F (15º C and 25º C). A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. NiMH batteries' performance is particularly limited in temperatures below 14º F (-10º C). Li-ion batteries' performance is particularly limited in temperatures below 32º F (0º C).
- Do not dispose of batteries in a fire!
- Batteries must be recycled or disposed of properly. They must not be disposed of in municipal waste.

3. About the phone, keys & menu

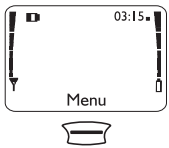
Power key

You can use the power key ⏻ to:

- turn the phone on or off (press *and hold*)
- turn the phone's lights on for 15 seconds
- select a quick alert setting (see page 24) (if Keyguard is off and the phone is not connected to a headset or handsfree car kit)
- silence the ringing of an incoming call

Nokia Navi™ key

Your phone's Navi™ key appears below the display. Its current function is indicated by the word that appears above it (for example, **Menu**). Simply press the Navi™ key to perform the function.



Throughout this guide, when you see "press **Menu**," "press **Listen**," etc., press the Navi™ key when that word appears above it.

Scroll keys

The scroll keys are located to the right of the Navi™ key. Use the scroll keys to:

- browse menus
- move the cursor (see page 11) to the right or the left
- adjust the earpiece volume while in a call
- access your phone book (press from the start screen)
- access the dialed calls list (press from the start screen)

Clear key

Use the clear key to:

- delete a character to the left of the cursor
- clear all characters from the display (press and hold)
- return to the previous menu level
- return from the menu to the start screen (press and hold)
- access the in-call menu while in a call

Lights

To turn your phone's lights on for 15 seconds:

- if Keyguard is off, press any key
- if Keyguard is on, you must press the ⓘ key briefly (this conserves battery power by keeping the lights from turning on when the phone is in a pocket or purse)

For information about controlling your phone's lights when the phone is in a car kit, see page 22.

External antenna jack

At the back of the phone, below the antenna, there is a connector for an external antenna. The connector may be protected by a rubber cap. Remove the cap before connecting an external antenna. After removing the antenna, replace the cap.

Note: Keep the cap out of the reach of small children.

Start screen

The start screen appears when you first turn on your phone. **Menu** appears above the Navi™ key so you can access your phone's menu. Several features can be used only when the phone is at the start screen.

To get to the start screen, press and hold C for a second. (If there are characters on the display this clears the characters, then you must press and hold C again.)

Menu

Your phone's menu allows you to easily access the many powerful features in your phone.

Scroll bar

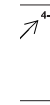
When you use your phone's menu, a scroll bar appears at the far right of the screen. This bar indicates where you are in the menu; each tab location on the bar represents a different menu item.

For example, press **Menu** once. The scroll bar appears with the first (top) tab displayed. A different tab appears each time you press one of the scroll keys V V.

Help text

Many menu items have brief help text. To view the help text, scroll to the menu item and wait for about 10 seconds for the text to appear. Press **More** or V to see the next page of text, V to see the previous page, or C to return to the menu.

Menu shortcuts



When you select a menu item, numbers appear on the display above the scroll bar. If you become familiar with these numbers, you can use them as shortcuts for accessing different menu items. For example, to access the **Phone settings** menu, you can simply press **Menu** 4 2. The phone displays the first item in that menu, **Touch tones**.

Note: (1) Menu items in your phone vary depending on the network and accessories used. (2) This is not a complete list; see entries about individual features for more information.

1 Phone book
- 11 Search
- 12 Add new
- 13 Edit
- 14 Erase
  - 141 One by one
  - 142 Erase all
- 15 Options
  - 151 Scrolling view
  - 152 Memory status
- 16 1-touch dialing

2 Messages
- 21 Text messages
  - 211 Inbox
  - 212 Saved
- 22 Voice messages
  - 221 Listen to voice messages
  - 222 Voice mailbox number
- 23 Welcome note

3 Call log
- 31 Missed calls
- 32 Received calls
- 33 Dialed calls
- 34 Clear call lists
  - 341 All
  - 342 Missed
  - 343 Received
  - 344 Dialed
- 35 Call timers
  - 351 Last call
  - 352 All calls
  - 353 Life timer
  - 354 Clear timers

4 Settings

- 41 Call settings
  - 411 Emergency key 9
  - 412 Automatic redial
  - 413 Calling card
  - 414 Automatic answer[h]
- 42 Phone settings
  - 421 Touch tones
  - 422 Language
  - 423 Restore factory settings
  - 424 Lights[c]
- 43 Security settings
  - 431 Restrict calls
  - 432 Access codes
- 44 Network services
  - 441 Voice privacy
  - 442 Network feature setting
  - 443 Call forwarding[m]
  - 444 Call waiting[m]
  - 445 Send own number[m]
- 45 NAM selection

5 System

- 51 Automatic
- 52 Manual
- 53 New search

6 Games

- 61 Memory
- 62 Snake
- 63 Logic

7 Clock

- 71 Alarm clock
- 72 Clock settings
  - 721 Display/Hide clock
  - 722 Adjust time
  - 723 Time format

8 My tones

- 81 Ringing options
  - 811 Ring
  - 812 Ascending
  - 813 Ring once
  - 814 Beep once
  - 815 Silent
- 82 Ringing tone
- 83 Ringing volume
  - 831 Level 1
  - 832 Level 2
  - 833 Level 3
  - 834 Level 4
  - 835 Level 5
- 84 Message alert tone
  - 841 No tone
  - 842 Standard
  - 843 Special
  - 844 Beep once
  - 845 Long & loud
- 85 Keypad tones
  - 851 Off
  - 852 Level 1
  - 853 Level 2
  - 854 Level 3
- 86 Warning and game tones
  - 861 On
  - 862 Off
- 87 Vibrating alert[v]
  - 871 On
  - 872 Off

9 Keyguard

[c] Visible only when used with car kit
[h] Visible only when used with headset or car kit
[m] Must be added to the menu manually; see 'Network feature setting' on page 29
[v] Visible only when vibrating battery is attached

Entering letters and numbers

Cursor

The cursor is a blinking vertical line that appears on the screen when you are entering text or numbers. Characters you enter appear to the right of the cursor. Pressing the C key deletes the character to the left of the cursor. Use the scroll keys to move the cursor to the right or left.

ABC mode

When your phone is ready for you to enter text, such as a name or message, it switches to ABC mode. The ABC icon shows that it is in ABC mode.

When ABC is displayed, you can enter these characters by pressing the indicated key repeatedly:

Key	Characters	Key	Characters
1	. , ' ? ! - 1	7	PQRS7
2	ABC2	8	TUV8
3	DEF3	9	WXYZ9
4	GHI4	0	space, 0
5	JKL5	*	See 'Special characters in names' on page 12.
6	MNO6	#	Changes letter case, switches between letters and numbers

Changing letter case

Press the #⇧ key to switch between upper- and lower-case letters. The ABC icon switches to abc to indicate that you are using lower case.

Entering numbers

To enter numbers while in ABC mode, you can:

- press and hold the corresponding key until the number appears, or
- switch between ABC mode and number mode by pressing and holding the #⇧ key.

Special characters in names

In ABC mode you can press the *+ key to view the special characters below. You can use these characters when saving names in your phone book. Simply press ▽ or △ to highlight the one you want, then press **Use**.

. , ? ! : ; - + # * ( ) ‘ “ _ @ & $ £ % / < > ¿ ¡ § = [ ] ¥

Tip: To choose a character that appears near the end of the list, immediately press △ to go to the end of the list.

Special characters in phone numbers

You can use special characters to dial or save phone numbers of automated services such as bank account information. When entering numbers, press the *+ key repeatedly until you see the character you want.

Character	Use
*	This character is used to request services from the network. Contact your service provider for details.
+	This character is not currently used.

Character	Use
p	This character creates a pause. Digits to the right of the **p** are sent as touch tones after a 2.5-second pause. Use this character to save phone numbers of automated services that require you to enter a password or other information after the call is answered. For example, if your voice mail number at work is 555-1212 and you need to enter your extension (1234) and then a password (5678) in order to listen to your messages, you could save this phone number as **5551212p1234p5678**
w	This character creates a wait. It works similarly to the pause character except that digits to the right of the **w** are not sent until you press **Send**.

Keyguard (locking the keypad)

The Keyguard feature allows you to "lock" your phone's keypad so that accidental keypresses have no effect. This is handy when your phone is in a pocket or purse.

Note: Keyguard is not a security feature and will not prevent unauthorized use of your phone.

To lock the keys

Press **Menu** 9 or **Menu** (*+).

To unlock the keys

Press **Unlock** (*+).

Notes about Keyguard

- When Keyguard is on, the only way to answer a call is to press **Answer**.
- When Keyguard is on, calls may be possible to the emergency number programmed into your phone (e.g. 911 or other official emergency number). However, one-touch emergency dialing ('emergency key 9') does not operate.
- Keyguard is automatically turned off when the phone is connected to a car kit.

4. Basic functions

Turning the phone on or off

Press and hold the ⏻ key for one second.

Note: If the phone asks for a lock code, see 'Lock code' on page 51. If the phone asks for a security code, see 'Security code' on page 51.

WARNING! Do not switch on the phone when wireless phone use is prohibited or when it may cause interference or danger.

About the antenna

Your Nokia phone has a fixed-length antenna. Do not attempt to extend or remove it.

Normal position

Hold the phone as you would any other telephone, with the antenna pointed up and over your shoulder.

Tips on efficient operation

As with any other radio transmitting device, do not touch the antenna unnecessarily when the phone is switched on. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.

Checking signal strength

Your phone operates on radio waves. Radio signal coverage is maintained by a wireless network, and the quality of calls on your phone depends on the strength of the wireless radio signal.

Get a strong signal

When you are at the start screen (see page 7) or in a call, the strength of the radio signal is indicated by the signal indicators on the left side of your phone's display. These indicators scroll as the signal strength increases and decreases.

To improve your phone's reception, try moving your phone slightly. If you're inside a building, move toward a window.

Making a call

1 Enter the area code and phone number. (**Menu** changes to **Call**.)

2 Press **Call** and wait for the other party to answer.

Volume adjustment (earpiece)

To adjust the earpiece volume, press ▽ or △ during a call. If an accessory with its own loudspeaker is connected to your phone, the scroll keys will adjust the volume for that accessory.

Muting the microphone

When you are in a call, you can mute the phone's microphone by pressing C, pressing **Options**, and selecting **Mute**. To unmute the microphone, press C, press **Options**, and select **Unmute**.

Note: For more information about the in-call menu, see page 30.

Ending a call

Press **End**.

Last number redial

The last 10 numbers you dialed are stored in the dialed calls list. Use this list to redial a number you have called recently.

1 From the start screen, press ⌄ to access the dialed calls list.

2 Scroll to the desired number.

3 Press **Call**.

Tip: To redial the very last dialed number, simply press ⌄ and wait a moment. The number will be dialed automatically.

Saving a name and number

See ‘Saving names and numbers’ on page 39.

Finding a name and number

1 Press ⌄ to access your phone book.

2 Scroll to the number you want. (To skip ahead quickly in the list, press the number key that corresponds to the first letter of the name.)

3 Press **Call**.

For other ways to find names and numbers, see ‘Finding names and numbers’ on page 40.

Answering a call

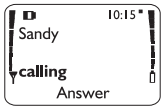
When someone calls, the phone will alert you (see ‘Tones’ on page 22) and **Call** will flash on the display. To answer the call, press any key except ⏻.

Note: To prevent accidental answering when the phone is in a pocket or purse, the phone will not answer the call if you press the key for longer than one second.

For information on setting your phone to answer incoming calls automatically, see ‘Automatic answer’ on page 36.

Caller ID

Caller ID is a network service that displays the phone number of the person calling you, if it is available. Check with your service provider for details.



If the caller can be identified, the phone displays the caller's phone number and **calling**. If the number matches a name saved in your phone book, the name is displayed instead. However, if the last seven digits of the phone number match more than one name in the phone book, only the phone number is displayed.

Silencing an incoming call

To silence the ringing of an incoming call, press briefly.

5. Settings

This section describes some phone settings that allow you to customize your phone to suit your preferences and that you probably won't change very often.

Automatic redial

Use **Menu** 4 1 2 to turn this feature on or off. When this feature is on and the wireless network is busy, your phone will redial a number up to three times. This feature will not redial to a busy phone number.

To stop the call attempts, press **Quit** or .

Calling card set-up

If you wish to use a calling card for long distance calls, you must first save your calling card information into your phone. Your phone can save information about two calling cards.

To learn how to make calling card calls, see 'Calling card calls' on page 35.

Saving calling card information

1 Press **Menu** 4 1 3.

2 Scroll to the desired calling card, then press **Options**.

3 Scroll to **Edit**, then press **OK**.

4 Enter your security code (see page 51), then press **OK**.

5 At **Dialing sequence**, press **Select**. Press to choose the dialing sequence your card uses, then press **Select**.

Dialing sequence	Use for cards that require you to:	Cards using this sequence
Access no. + phone no. + card no.	Dial 1-800 access number, then phone number, then card number (+ PIN if required)	MCI, AT&T True Choice, Sprint Canada, Unitel
Access no. + card no. + phone no.	Dial 1-800 access number, then card number (+ PIN if required), then phone number	networkMCI, WorldPhone MCI
Prefix + phone no. + card no.	Dial the prefix (any numbers that must precede the phone number) and phone number you want to dial, then card number (+ PIN if required)	GTE, PacBell, AT&T, Stentor

Note: The order of the following steps may vary, depending on which dialing sequence your card uses.

6 Enter access number (usually the 1-800 number listed on the back of the calling card), then press **OK**.

7 Enter your card number and/or PIN, then press **OK**. Your phone will display **Save changes?** Press **OK**.

8 Press ⌄ to reach **Card name**, then press **Select**. Enter the card name using your phone's keypad, then press **OK**.

Note: This procedure might not work with all calling cards. Please look at the back of your calling card or contact your long distance company for more information.

Choosing a calling card to use

To select a calling card to use, press **Menu** 4 1 3, scroll to the card you want, then press **Options**. **Select** is highlighted; press **OK**. Enter your security code, then press **OK**.

Clock

Your phone has an internal clock that can be displayed on the start screen. The clock must be set in order for call times to be recorded (see 'Call log' on page 42).

If you remove the battery for longer than a couple of seconds, the time will be lost. The next time you turn on the phone, you will be asked to enter the time.

Selecting time format

Use **Menu** 7 2 3 to set the clock's format to **24-hour** or **am/pm**.

Setting the time

Use **Menu** 7 2 2 to enter the current time. Use two digits for both hours and minutes (for example, enter 1:30 as **0130**). If the clock's time format is set to **am/pm**, you will be asked to choose **am** or **pm**.

Note: The C *key does not work on this screen. If you make a mistake, re-enter all four digits.*

Displaying or hiding the clock

Press **Menu** 7 2 1 to display the clock on the phone's screen if it is currently hidden, or vice versa.

When the clock is displayed and the time format is set to **am/pm**, a black square will appear next to the time indicating a.m. or p.m.

03:15■	3:15 a.m.
03:15■	3:15 p.m.

Language

Use **Menu** 4 2 2 to set the language of your phone's display. You can choose from English, French, Spanish, and Portuguese.

The shortcut for choosing English is to press **Menu** 4 2 2 1.

Lights

If you're using your phone with a car kit, use **Menu** 4 2 4 to set your phone's lights to **On** (lights stay on) or **Automatic** (after 15 seconds, lights turn off until the next key is pressed, phone rings, etc.).

For information about turning your phone's lights on at any time, see page 7.

Tones

Use Menu 8, My tones, to change the six sound settings in your phone: ringing option, ringing tone, ringing volume, message alert tone, keypad tones, and warning and game tones.

The quick alert settings feature (see page 24) allows you to select a fixed combination of these settings to suit your current environment.

Ringing option

Use **Menu** 8 1 to tell your phone how to notify you that you have a call.

Note: If you choose **Beep once** or **Silent**, the alarm clock will only sound a quiet beep.

Ring The phone rings normally using the currently selected ringing tone.

Ascending The phone rings using the currently selected ringing tone. The ringing volume starts low and increases with successive rings.

Ring once The phone rings once using the currently selected ringing tone.

Beep once The phone beeps once.

Silent The phone makes no sound when you receive a call. The icon appears at the start screen.

Ringing tone

Your phone plays a ringing tone when someone calls you and the ringing option is set to **Ring**, **Ascending**, or **Ring once**. Use **Menu** 8 2 to choose one of 30 ringing tones. Scroll to a tone to hear how it sounds.

Note: If the ringing option is set to **Silent** *or* **Beep once**, *the phone won't play sample tones.*

Ringing volume

Use **Menu** 8 3 to control the volume of your phone's ringing and of message alert tones.

Note: If your phone does not ring loudly enough at maximum volume, try a different ringing tone; some tones are louder than others.

Message alert tone

Use **Menu** 8 4 to choose the tone played when you receive a text message. Scroll to a tone to hear how it sounds.

Keypad tones

Use **Menu** 8 5 to adjust the volume of the tones your phone makes when you press its keys.

Warning and game tones

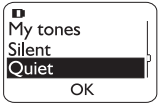
Use **Menu** 8 6 to turn your phone's warning and game tones on or off. Warning tones are created by events such as confirmations, errors, power on, battery low, and recharge battery.

Vibrating alert

If your phone has a vibrating battery attached, use **Menu** 8 7 to set your phone to vibrate when you receive a voice call. If you turn vibrating alert on, your phone will vibrate even if its ringing option is set to **Silent**.

Note: The vibrating battery does not vibrate when your phone is connected to or placed in any charging device.

Quick alert settings



You can quickly adjust your phone's sound settings when you go into a meeting, go outdoors, etc. To choose a quick alert setting, briefly press the ⓘ key, scroll to the setting you want, then press **OK**.

Tip: Instead of using the scroll keys, you can press the ⓘ key repeatedly to scroll through this menu. After you reach the setting you want, press *and hold* the ⓘ key.

Note: If you choose **Silent** or **Quiet**, the alarm clock will only sound a quiet beep.

My tones Uses the settings you have made in Menu 8, My tones.

Silent All sound is turned off.

Quiet Your phone beeps once when you receive a call or text message. Other tones are turned off.

Loud Your phone rings loudly. Other tones are not affected.

Headset Automatically selected when your phone is connected to a headset. Remembers any changes you make to settings in Menu 8, My tones, and uses them the next time you connect the phone to a headset.

Car Automatically selected when your phone is connected to a car kit. Remembers any changes you make to settings in Menu 8, My tones, and uses them the next time you connect the phone to a car kit.

Note: If the **Silent**, **Quiet**, *or* **Loud** *quick alert setting is chosen and you change a setting in Menu 8, My tones, the phone switches the current quick alert setting to* **My tones**.

Voice mailbox number

If you have a voice mail subscription, use **Menu** 2 2 2 to save the voice mailbox number given to you by your service provider. This number may be up to 32 digits long. Once you save your voice mailbox number, you can press and hold the 1 key to dial your voice mailbox. (You can also press 1 briefly and then press **Call**.)

For more information on voice mail, see 'Voice messages' on page 45.

Voice privacy

Available only in digital networks, voice privacy encrypts the voice channel so it is more difficult for anyone to eavesdrop on your conversations. Use **Menu** 4 4 1 to turn voice privacy on or off.

This feature may not be available in all areas; contact your service provider for details. If voice privacy becomes inactive, the phone beeps and displays **Voice privacy not active**.

Welcome note

Use **Menu** 2 3 to create or change the welcome note for your phone. This note is displayed briefly each time you turn on your phone. It can be your name, a reminder, etc. To save the note, press **Options**, then **Save**. To erase the note, press **Options**, then **Erase**.

6. Emergency calls

1 If the phone is not on, switch it on.

2 Press and hold the key for several seconds to ready the phone for calls.

3 Key in the emergency number for your present location (e.g. 911 or other official emergency number). Emergency numbers vary by location.

4 Press **Call**.

IMPORTANT!

This phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user-programmed functions which cannot guarantee connection in all conditions. Therefore you should never rely solely upon any wireless phone for essential communications (e.g. medical emergencies).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

If certain features are in use (Keyguard, call restrictions, etc.), you may first need to turn those features off before you can make an emergency call. Consult this document and your local cellular service provider.

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your wireless phone may be the only means of communication at the scene of an accident - do not cut off the call until given permission to do so.

Emergency key 9

Use **Menu** 4 1 1 to turn on this feature. When this feature is on, the phone attempts to make an emergency call when you:

- press and hold the 9 key, or
- press 9, then press **Call**.

Note: When Keyguard is active, the only way to make an emergency call is to dial the emergency number, then press **Call**.

IMPORTANT!

Official emergency numbers (for example, 911) vary by location. Only one number is dialed automatically by Emergency Key 9, and it might not be the proper number in all circumstances.

7. Advanced functions

Network feature setting

Call forwarding, call waiting, and send own number are network services available through your service provider. These features do not appear in your phone's **Network services** menu until you save the related feature code(s) given to you by your service provider. After you save the feature activation or cancellation code, the feature appears in the phone's menu and you can use the menu to turn the feature on or off.

Note: Feature codes can be saved only when your primary phone number (NAM 1) is selected. See page 34.

Adding feature activation codes to the menu

To save a feature activation code, press **Menu** 4 4 2. At the **Feature code:** prompt, enter the feature activation code, then press **OK**. Scroll to the feature that the code applies to, then press **Select**. (If the feature is call forwarding, choose one of the four types of call forwarding.) Finally, scroll to **Activate**, then press **OK**.

Activate will now appear in the menu for that feature.

Adding feature cancellation codes to the menu

To save a feature cancellation code, press **Menu** 4 4 2. At the **Feature code:** prompt, enter the feature cancellation code, then press **OK**. Scroll to the feature that the code applies to, then press **Select**. (If the feature is call forwarding, choose one of the four types of call forwarding.) Finally, scroll to **Cancel**, then press **OK**.

Cancel will now appear in the menu for that feature.

In-call menu

When you are in a call, the Navi™ key function is **End**. However, your phone has an in-call menu that allows you to perform several functions while in a call. To access the in-call menu, press ⓒ to change the Navi™ key function to **Options**, then press **Options**.

Note: If you have an active call and an incoming or held call, pressing ⓒ isn't necessary; **Options** *appears automatically.*

Depending on the number of active calls and whether you are using digital or analog mode, the following in-call options may be available:

Mute/End mute	mute/unmute the phone's microphone
Answer	answer a waiting call
Swap	switch between two calls
Touch tones	send touch tones
New call	make a call when you have one in progress
Menu	access your phone's menu
Phone book	access the phone book

Making/receiving multiple calls

Making a new outgoing call

While you are in a call, select **New call** from the in-call menu, enter or find the desired phone number, then press **OK**. The first call is automatically put on hold.

Note: This feature might not be supported in your network. Contact your service provider for details.

Three-way calling

To create a three-way call, call the first person. Then select **New call** from the in-call menu, enter or find the phone number of the second person, then press **OK**. The first call is automatically put on hold. After the second person answers, choose **Swap** from the in-call menu.

Note: This feature might not be supported in your network. Contact your service provider for details.

To return to the first caller

Choose **Swap** from the in-call menu. The call to the second person ends and you may resume your conversation with the first person you called.

Ending all calls

Press **End**.

Note: The wireless network does not support ending individual calls when more than one call is in progress.

Call waiting

Call waiting is a network service that allow you to receive an incoming call when you're already in a call. Contact your service provider for details.

Answering a waiting call

To answer a waiting call, select **Answer** from the in-call menu. The call you were in is put on hold.

Switching between two calls

Select **Swap** from the in-call menu.

Note: Swapping is handled differently in some networks. If you cannot swap between two active calls, contact your service provider.

Cancelling call waiting: standard method

To cancel call waiting before making a call, you must get the call waiting cancellation code from your service provider.

1 Dial the code for cancelling call waiting followed by the phone number you want to call.

2 Press **Call**.

Example: If the code for cancelling call waiting is *810 and the number you want to call is (214) 555-1234, dial ***8102145551234**, then press **Call**.

Cancelling call waiting: menu method

You can save the code for cancelling call waiting given by your service provider and then use **Menu** 4 4 4 2 to cancel call waiting. See 'Adding feature cancellation codes to the menu' on page 29.

Call forwarding

Call forwarding is a network service that lets you forward your incoming calls to another phone number. Check with your service provider for details and feature codes.

Activating call forwarding

Standard method

To activate call forwarding, you must get the call forwarding activation code from your service provider.

1. Dial the code for activating call forwarding followed by the phone number to which you want to forward your calls.
2. Press **Call**.

Example: If the call forwarding activation code is *71 and the number you want to forward calls to is (214) 555-1234, dial ***7121455512 34**, then press **Call**.

Menu method

You can save the code for activating call forwarding and then use the menu to activate call forwarding. See 'Adding feature activation codes to the menu' on page 29.

Cancelling call forwarding

Standard method

To cancel call forwarding, you must get the call forwarding cancellation code from your service provider.

1 Dial the code for cancelling call forwarding (for example, *710).

2 Press **Call**.

Menu method

You can save the code for cancelling call forwarding and then use the menu to cancel call forwarding. See 'Adding feature cancellation codes to the menu' on page 29.

1-touch dialing

This feature allows you to make phone calls quickly and easily with the touch of a button. Once you have assigned a phone number to a number key (2 through 8), you can press and hold that key to dial the number. (You can also press the number key briefly and then press **Call**.)

Note: Keys 1 and 9 are used exclusively for dialing your voice mailbox and for attempting emergency calls, respectively (see 'Voice messages' on page 45 and 'Emergency calls' on page 27).

Assigning numbers to keys

Before you can assign a phone number to a key, the phone number must be saved in your phone book (see page 17). Then follow the steps below.

1 Press **Menu** 1 6.

2 Scroll to the desired key, then press **Assign**.

3 Press ⌄ or ⌃ to choose the name you want to assign to the selected key, then press **Select**.

If a key already has a number assigned to it, you can press **Options** and then view, change, or erase the number assignment.

Making calls using one-touch dialing

Press and hold a number key (2 through 8) for a few seconds to call the number assigned to it. Your phone finds the phone number, displays it briefly, then dials it.

You can also enter the number of the 1-touch dialing key (for example, 2) and press **Call**.

Choosing your phone number (NAM selection)

Your service provider can set up your phone to have two phone numbers that are activated in different service areas—for example, one number for the Dallas area and one number for the Chicago area.

A number assignment module, or NAM, consists of a phone number and network information that the service provider programs into your phone. When you select a NAM, you're not only selecting a phone number, you're also selecting a home system in which you will not be charged roaming fees.

The two NAMs are not equal. Some features, such as system selection (see page 36) and network feature setting (see page 29), are available only when the primary NAM is selected.

Use **Menu** 4 5 to select a NAM.

Send own number

This network service allows you to hide your phone number from a person you are calling who has Caller ID. (If for some reason your network prevents phone numbers from being displayed, you may be able to use this feature to **show** your number to the person you are calling.) Contact your service provider for feature codes for showing/hiding your phone number.

Standard method

1 Dial the feature code followed by the number you want to call.

2 Press **Call**.

Example: If the feature code to hide your number is *67 and the number you want to dial is (214) 555-1234, dial ***6721455512 34**, then press **Call**.

Menu method

You can save the feature code given by your service provider so that **Send own number** appears in your phone's menu, and then use **Menu** 4 4 5 to use this feature. See 'Network feature setting' on page 29.

This feature must be activated before each call.

Yes displays your number to the person you are calling.

No prevents your number from being shown to the person you are calling.

Calling card calls

Before you can make a call using a calling card, you have to enter your calling card information into the phone. See 'Calling card set-up' on page 19.

To make a call using a calling card:

1 Enter the phone number, including any prefix (such as 0 or 1) that your calling card may require when you make a calling card call. See your calling card for instructions.

2 Press and hold **Call** for a few seconds until your phone displays **Card call**.

3 Your phone displays **Wait for tone, then press OK**. Wait for the tone, then press **OK**.

4 Your phone displays **Wait for tone, press OK again**. Wait for the tone again, then press **OK**.

System selection

Your phone is capable of working in residential, private, and public systems. You can choose how your phone selects a network to use.

This feature is **Menu** 5 in your phone. The default is **Automatic**, which means your phone automatically searches for networks available to you and chooses the appropriate one. Every time you switch on your phone, **Automatic** is selected.

If you choose **Manual**, your phone displays a list of available and unavailable networks. (You can't use unavailable networks.) Scroll through the choices and press **OK** when you reach the one you want.

If you choose **New Search**, your phone begins a new search for new private and residential systems. When it finds the best new system, it displays it. You can then select it or start another search by pressing **Next**.

Note: The **Manual** *and* **New search** *features can be used only when your primary phone number (NAM1) is selected. See page 34.*

To switch from private to public

If you are in a private system and want access to a public system, press and hold **Menu** when you are not in a call. Your phone will display **Search public systems?** Press **OK** and your phone will use the public system for the next outgoing call. After the call it will revert to **Automatic** system selection.

Automatic answer

This feature is available only when your phone is connected to a headset or to an approved handsfree car kit equipped with the ignition sense option, with the ignition on.

When automatic answer is turned on, your phone answers incoming voice calls after one ring. Use **Menu** 4 1 4 to turn this feature on or off.

Touch tones

Your phone can generate various sounds, called touch tones, when the keys are pressed.

Touch tones can be used for many automated services such as checking voice mail, movie times, and airline arrival/departure times.

Note: Sending confidential information over the air using touch tones is not recommended.

Setting manual touch tone length

Use **Menu** 4 2 1 1 to set the length of touch tones created when you press a key:

Continuous means the tone sounds for as long as you press and hold the key.

Fixed sets the tone length to one tenth of a second, regardless of how long you press and hold the key.

Off turns off touch tones. No tones will be sent when you press the keys.

Setting automatic touch tone length

Use **Menu** 4 2 1 2 to set the length of touch tones sent automatically by the phone to **Short** (one tenth of a second) or **Long** (half a second).

Saving touch tone strings

Touch tone strings can be used for sending and receiving information with your phone. Save touch tone strings the same way you save phone numbers *(see page 17)*.

For example, you can save your office voice mailbox number along with your password for easy access to your messages. See ‘Special characters in phone numbers’ on page 12.

Sending touch tone strings

1 During a call, press C to clear any numbers from the display.

2 Press **Options**.

3 Scroll to **Touch tones**, then press **OK**.

4 Enter or find the touch tone string, then press **OK**.

Restore factory settings

You can use **Menu** 4 2 3 to reset many of the settings in your phone to their factory defaults (as in a new phone). You will be required to enter the security code.

Note: The phone book, language setting, call timers, security code, and lock code are not affected.

8. Phone book

Your phone allows you to save 100 phone numbers and associated names so they are right at your fingertips for easy dialing.

Saving names and numbers

Saving a name and number is easy! Just enter the phone number, press ⌄ or ⌃, then press **Save**. Enter a name if you wish, then press **OK**.

Each name may consist of up to 16 characters and each phone number may consist of up to 32 characters.

Saving a number quickly

To save a number quickly, enter the phone number, press ⌄ or ⌃, then press *and hold* **Save**. The number is saved to your phone book and you can add a name to it later (see 'Editing names and numbers' on page 41).

Saving a name and number while in a call

To save a name and number while in a call:

1 Press C.

2 Press **Options**.

3 Scroll to **Phone book**, then press **OK**.

4 Scroll to **Add new**, then press **Select**.

5 Enter a name if you like, then press **OK**.

6 Enter the phone number, then press **OK**.

The entry is displayed in your phone list. Press **Call** to call the number or C to clear the screen (the current call will not be affected).

Notes about saving names

- A name may appear only once in memory. If you try to save a name that already exists in memory, the phone asks if you want to replace the existing name.
- If you try to save a phone number and your phone book is full, you are given the option to replace an existing entry. Scroll to the entry you want to replace and press **OK**, or press C to cancel.

Finding names and numbers

There are several ways to find names and numbers in your phone book.

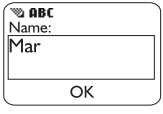
From the start screen

Press ⓥ to access your phone book, then scroll to the desired name/number.

Tip: You can also press the number key that corresponds to the first letter of the name. The first matching entry is displayed at the top of the screen.

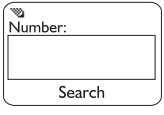
Using the Phone book menu

Press **Menu** 1 1, enter the first few letters of the name, then press **OK**. Your phone displays the first matching entry at the top of the screen.



While performing other functions

Say you want to forward your phone calls to a number that is saved in your phone book. When you are prompted to enter the phone number, you can find it instead—simply press **Search** to access your phone book.



Editing names and numbers

To edit phone book entries, press **Menu** 1 3, scroll to the entry you want to edit, then press **Edit**. Edit the name and number as needed.

Erasing names and numbers

Use **Menu** 1 4 to erase entries from your phone book. **One by one** lets you select one entry at a time to be erased. **Erase all** erases your entire phone book (you will be required to enter your security code first).

Scrolling view

Use **Menu** 1 5 1 to choose a scrolling view for your phone book (**Name list**, **Name+number**, or **Name only**).

Tip: If your phone book's scrolling view is set to **Name list** or **Name only**, you can view the phone number associated with a name by pressing and holding the (#) key.

Checking available memory

Use **Menu** 1 5 2 to see how many memory locations are free and how many are being used. (Each memory location holds one phone number and associated name.)

9. Call log

For your convenience, the call log (Menu 3) saves a list of phone numbers you have dialed, and can show you how much time you have spent on the phone. If you subscribe to the caller ID network service, the call log also records the phone numbers of missed calls and received calls. Contact your service provider for details.

The Options key

When you access **Missed calls**, **Received calls**, or **Dialed calls** and press **Options**, a list of options appears on your phone's display.

Call dials the number.

Call time shows the time of the last call. (Your phone's clock must be set; see page 21.)

Edit number allows you to edit the number.

Save allows you to enter a name for the number, edit the number if needed, and save both to your phone book.

Erase erases the number from the call list.

View number displays the associated phone number if only the name is currently displayed.

Missed calls

If you subscribe to the caller ID network service, your phone automatically stores the last 10 numbers that have tried unsuccessfully to reach you (as long as the caller allowed his or her number to be shown to you).

When the display says Missed calls

Press **List**. If you have missed more than one call, you can scroll through the list of numbers. To dial the displayed number, press **Options**, then choose **Call**.

Viewing the missed calls list at any time

Use **Menu** 3 1 to view the missed calls list at any time. To dial a number, press **Options**, then choose **Call**.

Received calls

If you subscribe to the caller ID network service, your phone automatically stores the phone numbers of the 10 most recent calls you've answered. Use **Menu** 3 2 to view the received calls list. To dial a number, press **Options**, then choose **Call**.

Dialed calls

Your phone automatically stores the last 10 numbers you've dialed. From the start screen, press ⏠ to access the dialed calls list. Scroll to the desired number, then press **Call**.

Note: To perform any of the options listed on page 42, access the dialed calls list by pressing **Menu** *3 3.*

Clearing call lists

Use **Menu** 3 4 to clear the missed, received, and/or dialed call lists.

Call timers

Use **Menu** 3 5 to see the amount of time you've spent in calls. Times are for the currently selected phone number; your phone has a separate timer for each phone number, or NAM (see page 34).

Note: The actual time invoiced for calls by your service provider may vary, depending upon network features, rounding-off for billing, and so forth.

Viewing call timers

Use **Menu** 3 5 to view the various call timers.

Last call is the duration of the last call, or current call if applicable.

All calls is the duration of all calls since the timers were last reset.

Life timer displays the duration of all calls for the life of your phone and cannot be reset.

Setting timers back to 0

Use **Menu** 3 5 4 to clear call timers. You will be required to enter your security code.

Displaying the current call timer during calls

1 Press **Menu** 3 5 1.

2 Press **Details**.

3 Press **Select**.

4 Scroll to **On**, then press **OK**.

During a call, the amount of time spent in that call will be displayed.

10. Voice messages

Voice mail is a network service that allows callers to record a message when you cannot be reached. You can then call your voice mailbox and retrieve your messages.

Saving your voice mailbox number

When you subscribe to voice mail, your service provider will give you a voice mailbox number. You should save this number so you can call your voice mailbox by pressing and holding the 1 key. See ‘ Voice mailbox number’ on page 25.

Listening to new voice messages

When you receive a voice message, your phone may notify you by beeping, displaying the voice message indicator , and displaying **New voice message**. The phone may display the number of messages if there is more than one.

Note: The method of notification depends on your service provider.

When your phone notifies you that you have a new voice message, press **Listen**. Your phone dials your voice mailbox number, if you have saved it.

Calling your voice mailbox at any time

Once you have saved your voice mailbox number, you can press and hold the 1 key to dial your voice mailbox.

11. Text messages

The text message network service allows you to receive text messages from a variety of sources, such as a Web page set up by your service provider. Contact your service provider for more information.

Reading messages

When you receive a text message, the phone displays the indicator, either **Message received** or **New emergency message** (if an emergency message has been received), and makes a sound (depending on the message alert tone; see page 23).

To read the message, press **Read**. This takes you to the Inbox, with the new message selected. Press **Read** again. If necessary, use the scroll keys to read the entire message.

After reaching the end of the message, use the scroll keys to view the sender's name or phone number, and the date and time the message was received.

Options when reading messages

Several options are available while you're reading a message. Just press **Options**, scroll to the one you want, then press **OK**.

Read next allows you to read the next message.

Erase deletes the message. Press **OK** to confirm the deletion (or C to cancel).

Call back calls any phone number included in the message. If more than one number was included, a list of numbers is displayed. Choose one and press **Call**.

Save saves the message in the **Saved** folder.

When you've seen the last new message, the indicator disappears.

About the Inbox

The Inbox holds text messages that have not been deleted or saved. Use **Menu** 2 1 1 to access the Inbox at any time.

You will see a list of message headers. The icon in front of the header indicates that a message has been read. The icon indicates that a message has not been read. Scroll to the desired message, then press **Read**.

About the Saved folder

The Saved folder holds up to 30 saved text messages and a total of 3100 characters. Use **Menu** 2 1 2 to access the Saved folder and read saved messages.

Storage of incoming messages

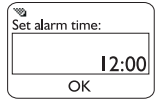
When you have an incoming text message and your phone's memory is full, one or more low-priority messages will automatically be deleted in order to receive the new text message. Messages are usually deleted from your Inbox, but an emergency message may cause messages to be deleted from the Saved folder.

If the message memory is still full, your phone will display **No space: message waiting**. You can clear this notification by pressing **OK**. You should delete one or more old messages to make room for the new message. The network will re-send the message at a later time.

12. Extra features

Alarm clock

The alarm clock feature is based on your phone's internal clock and sounds an alert at a time you specify.



Setting the alarm clock

Use **Menu** 7 1 to turn the alarm clock on or off.

Note that when you're entering the alarm time, use two digits for both hours and minutes (for example, enter 1:30 as **01 30**). If the clock's time format (see page 21) is set to **am/pm**, you will be asked to choose **am** or **pm**.

Note: The C key does not work on this screen. If you make a mistake, re-enter all four digits.

Alarm volume

The alarm volume is determined by the current ringing volume. However, if you have manually set the ringing option (see page 22) to **Silent** or **Beep once** or have selected the **Silent** or **Quiet** quick alert setting (see page 24), the phone only sounds a quiet beep.

When the alarm sounds

- To shut off the alarm, press any key except **Snooze**.
- If you press **Snooze**, the alarm sounds again in 10 minutes. To turn off the alarm before then, press **Stop**.
- If you let the alarm sound for one minute without pressing a key, it stops for 10 minutes, then starts again.

If you turn off the phone

If you turn off the phone and the alarm is set, the phone switches itself on at alarm time, then the alarm sounds.

- To shut off the alarm, press any key except **Snooze**. The phone displays **Keep the phone on?** Press **Yes** to keep it on or C to switch it off.
- If you press **Snooze**, the phone turns itself off for 10 minutes, then the alarm sounds again.

REMEMBER! Do not switch on the phone when wireless phone use is prohibited or when it may cause interference or danger.

Games

Use **Menu** 6 to challenge yourself or a friend to the three fun games in your phone. To pause a game, press C. To resume, choose **Continue**.

REMEMBER! Your phone must be switched on to use this function. Do not switch on the phone when wireless phone use is prohibited or when it may cause interference or danger.

Memory

Reveal pictures to find pairs in as few tries as possible. Move the cursor with the 2 (up), 4 (left), 6 (right), and 8 (down) keys. Press the 5 key to reveal pictures. Once found, pairs stay visible. Press the #⇧ key to jump to the right over revealed pictures or to move from the bottom right of the screen to the top left. Press the *+ key to jump to the left over revealed pictures or to move from the top left of the screen to the bottom right.

Snake

Feed the snake with as many goodies as possible and watch it grow. Use keys 2, 4, 6, and 8 to turn the snake toward food. The longer the snake's tail grows, the higher your score. If the snake hits its own tail or the surrounding wall, the game is over.

Logic

Find the secret combination of figures in a column. Possible figures are shown at the top of the display. Press the 5 key repeatedly to select a figure and the 2, 4, and 8 keys to move the cursor. Once you think you have the right combination, press the ⊛ key. The result appears as a set of marks above the column. A correct figure in the right place gets a full mark; a correct figure in the wrong place gets a half mark. The game ends when the correct figures are in the right place.

Tip: To copy a figure from the previous column, move the cursor over it using the 2, 4, or 8 key, then press the 5 key.

13. Security features

Access codes overview

Access codes consist of the lock code and security code. When you get your phone, you should change these codes from their defaults, write down the new codes, and keep them in a safe place away from the phone. Avoid using access codes that are similar to emergency numbers, such as 911, to prevent accidental dialing of the emergency number.

Lock code

Your phone's lock code is used to lock and unlock your phone. The default lock code is 1234. Use **Menu** 4 3 2 3 to change the lock code.

When the phone requires the lock code, it displays **Enter lock code:** Enter the code, then press **OK**.

If you enter a wrong lock code five times in succession, your phone prompts you for the security code.

Security code

The security code is required to restrict calls and to restore factory settings. The default security code is 12345. Use **Menu** 4 3 2 4 to change the security code.

When the phone requires the security code, it displays **Security code:** Enter the code, then press **OK**.

If you enter an incorrect security code five times in succession, the phone will not accept any input for the next five minutes.

Restricting calls

Use **Menu** 4 3 1 to restrict outgoing or incoming calls. This is handy if you want to lend your phone to someone but don't want them to make long-distance or other expensive calls.

Restricting incoming calls

Choose **Restrict incoming calls** to prevent your phone from receiving incoming calls. Enter your security code, then press **OK**. Press **Mark**, then press . Press **Yes** to save this change (or to cancel).

Note: This feature requires the caller ID network service, and the caller's ID must be available to the phone in order for the restriction to work.

Allowing incoming calls

To allow incoming calls once again, choose **Restrict incoming calls** and enter your security code. Press **Unmark**, then press . Press **Yes** to save this change (or to cancel).

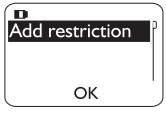
Restricting outgoing calls

You can create a list of numbers to which outgoing calls cannot be made. A call restriction can consist of an entire phone number, an area code, etc. When the restriction is selected, calls cannot be made to any number beginning with those digits. For example, entering **2145551234** will block calls to (214) 555-1234 only. 1 will block all calls starting with 1, including long distance calls and 1-800 calls. 1**800** will block 1-800 calls only.

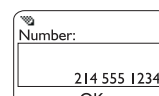
Adding numbers to the restricted outgoing calls list

To prevent your phone from making outgoing calls, choose **Restrict outgoing calls**. Enter your security code, then press **OK**. Continue with the steps illustrated below.

1 **Add restriction** is selected. Press **OK**.

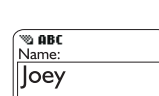


2 Enter the phone number, area code, etc. to which you want to restrict calls, then press **OK**.



3 If you want, give a name of up to 10 characters to the restriction (such as **Joey**, **Long dist**, or **1-800 #s**), then press **OK**.

The entry is added to your list of restricted numbers.



Allowing calls to a number on the list

If you later decide to allow calls to a restricted number, press **Select** to see your list of numbers. Press **Unmark** to remove the restriction. (The number remains in the list so that you can restrict it again later by pressing **Mark**.) When you're done, press C. Press **Yes** to save your changes (or C to cancel).

Making changes to the restricted outgoing calls list

To edit or completely erase an entry in the list, choose **Edit** or **Erase**, select the entry you want to edit or erase, and follow the instructions on the screen.

Phone lock

You can prevent unauthorized use of your phone by locking it. When your phone is locked, only incoming calls and calls to the unlocked phone number (see below) are allowed. The memory and menu are unavailable.

Note: Calls may still be possible to emergency numbers.

How to lock your phone

Press **Menu** 4 3 2 1. Enter the lock code (see page 51), then press **OK**. Scroll to **On**, then press **OK**.

How to unlock your phone

Press **Menu**, enter the lock code, then press **OK**.

Answering a call when the phone is locked

Press **Answer**.

Saving the unlocked phone number

Use **Menu** 4 3 2 2 to save a number that may be called even when your phone is locked. You will be required to enter the lock code.

Calling the unlocked phone number

Press or , or manually enter the number exactly as it is saved, then press **Call**.

14. Accessories

An extensive range of accessories is available for your phone. You can select the accessories that best suit your specific communication needs. For availability, see your local authorized Nokia dealer.

A few practical rules for accessory operation:

- Keep accessories out of small children's reach.
- When you disconnect the power cord of any accessory, grasp and pull the plug, not the cord.
- Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.
- Installation of complex car equipment must be completed by qualified personnel only.

WARNING!

Use only batteries, chargers and accessories approved by the phone manufacturer for use with this particular phone model. The use of any other types will invalidate any approval or warranty applying to the phone, and may be dangerous.

Nokia Xpress-on™ color covers

Your phone's Xpress-on™ cover is available in several fashion colors. Extra covers may be purchased from your authorized Nokia dealer.

Note: Always store the phone with cover attached.

Changing covers

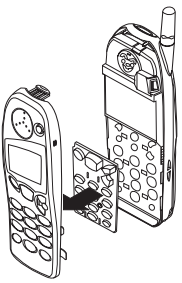
When changing covers, don't use the phone's antenna as leverage!

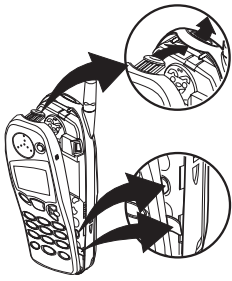
1 Switch off the power and disconnect the phone from the charger or any other device.

2 Using a coin, depress the colored tab on the top of the phone and slide the color cover forward.

3 Remove the cover.

4 Remove the rubber keypad from the back of the cover. Place it into the back of the new cover.





5 Place the bottom of the cover against the bottom of the phone. Make sure all three sets of plastic tabs line up with their respective slots, as shown at left. Close the cover and snap it shut all the way around the edge of the phone.

Batteries

Several batteries are available for your phone:

- BLS-2 Extended Li-Ion 900 mAh
- BMS-2S Extended NiMH 900 mAh
- BMS-2V Vibrating NiMH 900 mAh
- BLS-4 Ultra Extended Li-Ion 1500 mAh

Charging times

The table below displays approximate battery charging times. These charging times will charge your phone to about 80% of its capacity, and the battery strength indicator will stop scrolling. If you wish to obtain 100% battery capacity, please allow another two hours for "maintenance" charge.

<table>
<tr><th>Battery</th><th>Standard Travel Charger ACP-7U</th><th>Rapid Travel Charger ACP-9U</th><th>Rapid Cig. Lighter Charger LCH-9</th></tr>
<tr><td>BLS-2 Extended Li-Ion 900 mAh</td><td rowspan="3">4 hours</td><td colspan="2">2 hours</td></tr>
<tr><td>BMS-2S Extended NiMH 900 mAh</td><td colspan="2" rowspan="2">1.5 hours</td></tr>
<tr><td>BMS-2V Vibrating NiMH 900 mAh</td></tr>
<tr><td>BLS-4 Ultra Extended Li-Ion 1500 mAh</td><td>5 hours</td><td colspan="2">3.5 hours</td></tr>
</table>

Talk and standby times

The table below displays approximate talk and standby times. Variations will occur depending on network settings and usage.

Battery	Talk Time		Standby Time	
	Digital	Analog	Digital	Analog
BLS-2 Extended Li-Ion 900 mAh	2 - 3.25 hours	1 - 1.75 hours	100 - 200 hours	30 - 50 hours
BMS-2S Extended NiMH 900 mAh				
BMS-2V Vibrating NiMH 900 mAh				
BLS-4 Ultra Extended Li-Ion 1500 mAh	3 - 5 hours	1.5 - 2.75 hours	170 - 335 hours	50 - 83 hours

Nickel Metal Hydride and Lithium Ion batteries must be recycled or disposed of properly. They must not be disposed of in municipal waste.

Chargers and other accessories

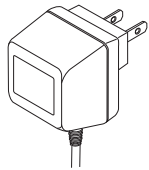
WARNING!

This apparatus is intended for use when supplied with power from the Standard Travel Charger (ACP-7U), Rapid Travel Charger (ACP-9U), or Rapid Cigarette Lighter Charger (LCH-9). Other usage will invalidate any approval given to this apparatus and may be dangerous.

The following chargers and other accessories are available for your phone; please see your dealer for details. Also, refer to any accessory options manual that may have been included in your sales package for the entire line of authentic Nokia accessories.

Note: When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for longer than a week, since overcharging may shorten its life. If left unused, a fully charged battery will discharge itself over time.

ACP-7U Standard Travel Charger



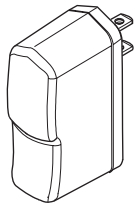
Use this durable and economical charger to charge all battery options. Plug the charger into a wall outlet and connect the connector to the bottom of your phone. Check the charging status on the phone display.

Calls can be made during charging, but charging will stop for the duration of the call.

Note: If the battery is completely empty, you cannot use the phone until it has enough charge to operate.

The Standard Travel Charger is available for different voltage levels and can also be used with the DCH-9 Compact Desktop Charging Stand.

ACP-9U Rapid Travel Charger



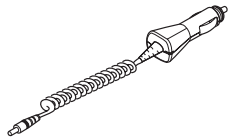
The extremely light, functionally designed Rapid Travel Charger charges your phone battery quickly.

Plug the charger into a wall outlet and connect the connector to the bottom of your phone. Check the charging status on the phone display. You can use your phone while charging.

Operating within a voltage range of 100V-240V AC (50Hz-60Hz), the Rapid Travel Charger is practically voltage-independent in normal office and household use. Like the Standard Travel Charger, the Rapid Travel Charger is compatible with all battery options. The Rapid Travel

Charger can also be used with the DCH-9 Compact Desktop Charging Stand.

LCH-9 Rapid Cigarette Lighter Charger



The multivoltage Rapid Cigarette Lighter Charger allows you to charge your phone when you travel. The small charger's functional design fits well with most car lighters and interiors.

Charging times are the same as for the Rapid Travel Charger ACP-9U. Calls can be made during charging.

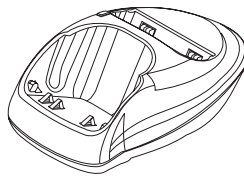
A green light indicates that the Rapid Cigarette Lighter Charger is ready to charge. Check the charging status on the phone display. The input voltage is 12 or 24 V DC, negative grounding.

The Rapid Cigarette Lighter Charger can be used with all accessories available for your phone.

Avoid prolonged charging with the Rapid Cigarette Lighter Charger when the car engine is not running. This may cause the battery of your car to drain.

Note: In some cars the cigarette lighter plug is not provided with power when the ignition is switched off. Verify that the green LED light is lit.

DCH-9 Compact Desktop Charging Stand



Compatible with all battery options, the Compact Desktop Charging Stand can be used with the Standard Travel Charger ACP-7U or the Rapid Travel Charger ACP-9U. The Compact Desktop Charging Stand provides mounting for both the phone and a spare battery. Plug the charger into a

wall outlet and connect the connector to the back of the Compact Desktop Charging Stand. Place your phone and/or a spare battery in the stand to begin battery charging.

When the phone is charging, no lights are displayed on the stand; check the charging status of the phone battery on the phone display.

Charging moves to the rear slot once the front battery is 100% charged.

When the spare battery is charging, check the status indicator on the left side of the charging stand. A red light indicates that the battery is charging; a green light indicates that the battery is charged to at least 80% of its capacity.

DCH-9 Rear Slot Charging Times				
Battery	Using ACP-7U		Using ACP-9U	
	Front slot empty	Front slot occupied	Front slot empty	Front slot occupied
BLS-2 Extended Li-Ion 900 mAh	6 hours, 30 minutes	8 hours, 30 minutes	4 hours, 30 minutes	5 hours, 30 minutes
BMS-2S Extended NiMH 900 mAh				
BMS-2V Vibrating NiMH 900 mAh				
BLS-4 Ultra Extended Li-Ion 1500 mAh	12 hours	15 hours, 45 minutes	8 hours	10 hours, 30 minutes

The phone has the built-in intelligence to maintain the battery, so there is no need for a discharge feature on the stand.

15. Reference information

Important safety information

Traffic safety

Do not use a hand-held telephone while driving a vehicle.
If using a hand-held phone park the vehicle before conversing.
Always secure the phone in its holder; do not place the phone on the passenger seat or where it can break loose in a collision or sudden stop.

The use of an alert device to operate a vehicle's lights or horn on public roads is not permitted.

Remember, road safety always comes first!

Operating environment

Remember to follow any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger.

When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position (held to your ear with the antenna pointing over your shoulder).

Electronic devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone.

Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 6 inches (20 cm.) be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers:

- Should always keep the phone more than 6 inches (20 cm) from their pacemaker when the phone is switched on;
- Should not carry the phone in a breast pocket;
- Should use the ear opposite the pacemaker to minimize the potential for interference.
- If you have any reason to suspect that interference is taking place, switch off your phone immediately.

Hearing aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider.

Other medical devices

Operation of any radio transmitting equipment, including cellular phones, may interfere with the functionality of inadequately protected medical devices. Consult a physician or the manufacturer of the medical device to determine if they are adequately shielded from external RF energy or if you have any questions. Switch off your phone in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles (e.g. electronic fuel injection systems, electronic anti-skid (anti-lock) braking systems, electronic speed control systems, air bag systems). Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted facilities

Switch your phone off in any facility where posted notices so require.

Potentially explosive atmospheres

Switch off your phone when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Users are advised to switch off the phone while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats; chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or particles, such as grain, dust or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.

Vehicles

Only qualified personnel should service the phone, or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty which may apply to the unit.

Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.

Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.

For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

Switch off your phone before boarding an aircraft. The use of wireless telephones in an aircraft may be dangerous to the operation of the aircraft, disrupt the wireless telephone network and may be illegal.

Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Emergency calls

IMPORTANT!

This phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user- programmed functions which cannot guarantee connection in all conditions. Therefore, you should never rely solely upon any wireless phone for essential communications (e.g. medical emergencies).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

Making an emergency call

1 If the phone is not on, switch it on.

2 Press and hold the key for several seconds to ready the phone for calls.

3 Key in the emergency number for your present location (e.g. 911 or other official emergency number). Emergency numbers vary by location.

4 Press **Call**

If certain features are in use (Keyguard, call restrictions, etc.), you may first need to turn those features off before you can make an emergency call. Consult this document and your local cellular service provider.

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your wireless phone may be the only means of communication at the scene of an accident - do not cut off the call until given permission to do so.

Radio frequency (RF) signals

Your wireless handheld portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals.

In August, 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for handheld wireless phones. Those guidelines are consistent with safety standards previously set by both U.S. and international standards bodies:

ANSI C95.1 (1992)*, NCRP Report 86 (1986)*, ICNIRP (1996)*.

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies and industry reviewed the available body of research to develop the ANSI Standard (C95.1).

The design of your phone complies with the FCC guidelines (and those standards).

**American National Standards Institute, National Council on Radiation Protection and Measurements; International Commission on Non-Ionizing Radiation Protection.*

Care and maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you to fulfill any warranty obligations and allow you to enjoy this product for many years. When using your phone, battery, charger, OR any accessory:

- Keep it and all its parts and accessories out of small children's reach.
- Keep it dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not use or store it in dusty, dirty areas as its moving parts can be damaged.
- Do not store it in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store it in cold areas. When the phone warms up (to its normal operating temperature), moisture can form inside the phone, which may damage the phone's electronic circuit boards.
- Do not attempt to open it. Non-expert handling of the device may damage it.
- Do not drop, knock or shake it. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean it. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.
- Do not paint it. Paint can clog the device's moving parts and prevent proper operation.
- Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications or attachments could damage the phone and may violate regulations governing radio devices.
- If the phone, battery, charger, or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

16. Technical information

Transmitting power:	Up to 600 mW nominal
Operating voltage:	3.6 V nominal
Frequency band:	lowband 824.04 - 848.97 MHz (TX) 869.04 - 893.97 MHz (RX) highband 1850.04 - 1909.92 MHz (TX) 1930.08 - 1989.96 MHz (RX)
Number of channels:	832 lowband 1997 highband
Number of NAMs	2
Memory locations:	100
Memory capacity:	16 characters per name 32 characters per number

USA
Nokia Mobile Phones
6200 Courtney Campbell Causeway, Ste. 900
Tampa, FL 33607
Tel: 1-888-NOKIA2U (1-888-665-4228)

CANADA
Nokia Products Ltd.
575 Westney Rd. South
Ajax, Ontario L1S 4N7
Tel: (905) 427-6654

Part No. 9351814 Printed in Canada 10/98

NOKIA is a trademark of Nokia Corporation and/or its affiliates.

The information contained in this User Guide was written for Nokia phone NSW-1NX.

The right to make changes and improvements to any of the products described in this guide without prior notice is reserved.

Issue No. 1 © 1998 Nokia Mobile Phones. All rights reserved.

These commodities are authorized by the U.S. Government for export only to Canada, Mexico, or the United States. They may not be resold, diverted, transferred, or otherwise disposed of in any other country, either in their original form or after being incorporated through an intermediate process into other end-items, without the written approval of the U.S. Department of State.

17. Nokia Limited Warranty

Nokia Mobile Phones, Inc. (“NMP”) warrants that this cellular phone (“Product”) is free from defects in material and workmanship, according to the following terms and conditions:

1. The limited warranty for the Product extends for one (1) year beginning on the date of purchase of the Product.

2. The limited warranty extends only to the original consumer purchaser (“Consumer”) of the Product and is not assignable or transferable to any subsequent purchaser/end-user.

3. The limited warranty extends only to Consumers who purchase the Product in the United States.

4. During the limited warranty period, NMP will repair, or replace, at NMP’s option, any defective parts, or any parts that will not properly operate for their intended use with new or factory rebuilt replacement items. No charge will be made to the Consumer for any such parts. NMP will also pay for the labor charges incurred by NMP in repairing or replacing the defective parts. The external housing and cosmetic parts shall be free of defects at the time of shipment and, therefore, shall not be covered under these limited warranty terms.

5. Upon request from NMP, the Consumer must provide information to reasonably prove the date of purchase.

6. The Consumer shall bear the cost of shipping the Product to NMP in Melbourne, Florida. NMP shall bear the cost of shipping the Product back to the Consumer after the completion of service under this limited warranty.

7. The Consumer shall have no coverage or benefits under this limited warranty if any of the following conditions are applicable:

a) The Product has been subject to: abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, unauthorized modifications, unauthorized connections, unauthorized repair, misuse, neglect, abuse, accident, alteration, improper installation, or other acts which are not the fault of NMP, including damage caused by shipping and blown fuses.

b) NMP was not notified by Consumer of the alleged defect or malfunction of the Product during the applicable limited warranty period.

c) The Product serial number plate or the accessory date code has been removed, defaced or altered.

d) The defect or damage was caused by the defective function of the cellular system, or by inadequate signal reception by the external antenna.

8. If a problem develops during the limited warranty period, the Consumer should take the following step-by-step procedure:

a) The Consumer shall return the Product to the place of purchase for repair or replacement processing.

b) If "a" is not convenient the Consumer shall ship the Product prepaid and insured to:

Nokia Mobile Phones, Inc.
Attn: Repair Department
795 West Nasa Blvd.
Melbourne, FL 32901

The customer shall include a return address, daytime phone number and/or fax number, complete description of the problem, proof of purchase, and service agreement (if applicable). Expenses related to removing the Product from an installation are not covered under this limited warranty.

d) The Consumer will be billed for any parts or labor charges not covered by this limited warranty. The Consumer shall be responsible for expenses related to reinstallation of the Product.

e) If the Product is returned to NMP during the limited warranty period, but the problem with the Product cannot be fixed under the terms and conditions of this limited warranty, the Consumer will be notified and given an estimate of the charges the Consumer must pay to have the Product repaired, with all shipping charges billed to the Consumer. If the estimate is refused, the Product will be returned freight collect. If the Product is returned to NMP after the expiration of the warranty period, NMP's normal service policies shall apply and the Consumer will be invoiced for all shipping charges.

9. The Product consists of newly assembled equipment that may contain used components which have been reprocessed to allow machine compliance with Product performance and reliability specifications.

10. ANY IMPLIED WARRANTY OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE OR USE, SHALL BE LIMITED TO THE DURATION OF THE FOREGOING WRITTEN WARRANTY, OTHERWISE, THE FOREGOING WARRANTY IS THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. NMP SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OR A LOSS OF ANTICIPATED BENEFITS OR PROFITS, RESULTING FROM THE PURCHASE OR USE OF THE PRODUCT OR ARISING FROM THE BREACH OF THE WARRANTY EVEN IF NMP KNEW OF THE LIKELIHOOD OF SUCH DAMAGES.

11. Some states do not allow limitation of how long an implied warranty lasts, so the above limitation may not apply to you (the Consumer). Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusions may not apply to you (the Consumer). This limited warranty gives you specific legal rights and you may also have other rights which vary from state to state.

12. NMP neither assumes nor authorizes any authorized service center or any person or entity to assume for it any other obligation or liability beyond that which is expressly provided for in this limited warranty.

13. Questions concerning this limited warranty may be directed to:

Nokia Customer Service
6200 Courtney Campbell Causeway, Ste. 900
Tampa, FL 33607
phone: 1-888-NOKIA2U (1-888-665-4228) or (813) 288-3800
fax: (813) 287-6612

14. The limited warranty period for NMP supplied attachments and accessories are specifically defined within their own warranty cards and packaging.

18. Index

A

ABC mode *11*
access codes *51*
accessories *55*
  batteries *58*
  chargers *59*
  covers *55*
alarm clock *48*
answering a call *17*
  automatic answer *36*
antenna *15*
  external jack *7*
automatic answer *36*
automatic redial *19*

B

batteries *58*
  attaching *3*
  charging *3*
  discharging *4*
  removing *4*
blocking calls *see* restricting calls

C

call block *see* restricting calls
call forwarding
  activating *32*
  cancelling *33*
call log *42*
  clearing lists *43*
  dialed calls *43*
  missed calls *42*
  Options key *42*
  received calls *43*
call restrictions *see* restricting calls
call timers *43*
call waiting *31*
  answering a waiting call *31*
  cancelling *31*
caller ID *18*
  showing/hiding number *34*
calling card
  making calls *35*
  set-up *19*
calls
  answering *17*
  answering automatically *36*
  answering with call waiting *31*
  ending *31*
  forwarding *32*
  initiating a second *30*
  making *16*
  muting *16*, *30*
  silencing an incoming call *18*
  swapping *31*
  three-way calling *30*
  unmuting *16*, *30*
care and maintenance *67*
chargers *59*
clear key *7*
clearing call lists *43*
clock *21*
  alarm clock *48*
  displaying/hiding *21*
  setting *21*
  time format *21*
conference calls *see* three-way calling
covers, changing *55*
cursor *11*

D

dialed calls *43*
directory *see* phone book *39*

E

editing names/numbers *41*
emergency calls *27*, *65*, *65*
emergency key 9 *28*
erasing names/numbers *41*
external antenna jack *7*

F

factory settings, restoring *38*

G

game tones *24*
games *49*

H

help text *8*

I

Inbox *47*
in-call menu *30*

K

Keyguard *13*
keypad lock *13*
keypad tones *23*
keys
- clear key *7*
- Navi(TM) key *6*
- power key *6*
- scroll keys *6*

L

language *22*
lights *7*
- in car kit *22*

lock code *51*
locking the keypad *13*
locking your phone *53*
Logic *50*

M

making a call *16*
memory *41*
Memory (game) *49*
menu *8*
- shortcuts *9*

message alert tone *23*
messages
- text *see* text messages
- voice mail *45*

missed calls *42*
muting the microphone *16*, *30*
My tones (menu) *22*

N

NAM selection *34*
names
- editing *41*
- entering *11*
- erasing *41*
- finding *17*, *39*
- saving *39*

Navi(TM) key *6*
network feature setting *29*
new call *30*
numbers
- editing *41*
- entering *12*
- erasing *41*
- finding *17*, *39*
- saving *39*
- showing/hiding your own *34*

O

on/off *15*
one-touch dialing *33*

P

phone book *39*
- available memory *41*
- scrolling view *41*

phone lock *53*
phone number, choosing *see* NAM selection

power key *6*
profiles *see* quick alert settings

Q

quick alert settings *24*

R

reading text messages *46*
received calls *43*
redial
 automatic *19*
 last number *17*
restore factory settings *38*
restricting calls *51*
ringing option *22*
ringing tone *23*
ringing volume *23*

S

safety guidelines *1*, *63*
safety information *63*
Saved folder *47*
scroll keys *6*
scrolling view *41*
security code *51*
security features *51*
send own number *34*
signal strength *15*
silencing an incoming call *18*
Snake *49*
sound *see* tones
special characters *12*, *12*
speed dialing *see* one-touch dialing
start screen *7*
system selection *36*

T

technical information *68*
text messages *46*
 Inbox *47*
 reading *46*
 Saved folder *47*
 storage *47*
three-way calling *30*
timers *43*
tones *22*
 keypad *23*
 message alert *23*
 quick alert settings *24*
 ringing option *22*
 ringing tone *23*
 ringing volume *23*
 warning and game *24*
touch tones *37*
 saving touch tone strings *37*
 setting automatic length *37*
 setting manual length *37*

U

unmuting the microphone *16*, *30*

V

vibrating alert *24*
voice mail messages *45*
voice mailbox number *25*
voice privacy *25*
volume
 earpiece *16*
 ringing *23*

W

warning and game tones *24*
warranty *69*
welcome note *26*

Para obtener un manual del usuario en español favor de llamar o enviar un fax al teléfono 1-888-NOKIA2U (1-888-665-4228), fax 813-287-6612.